

COMMUNITY EDUCATION | SUMMER 2024

DeAnza College
ACADEMY

ON CAMPUS AND ONLINE
SUMMER YOUTH ENRICHMENT PROGRAM
FOR GRADES 6-12



ENROLL NOW

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COLLEGE

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DeAnza College ACADEMY

SUMMER YOUTH ENRICHMENT PROGRAM FOR GRADES 6-12

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GENERAL REGISTRATION INFORMATION

Welcome to the De Anza College Summer Youth Enrichment Program

We offer a wide selection of in-person and online, fee-based, noncredit enrichment classes – many involving hands-on projects – designed for students entering grades 6-12.

Registration Dates

Grades 6-8 and 9-12 (on campus): Feb. 20-June 27

Grades 9-12 (online): Feb. 20-June 13

Program Class Dates

Grades 6-8 and 9-12 (on campus): July 1-26

Grades 9-12 (online): June 17-July 26

What are the **QUALIFICATIONS** of the instructors?

Our highly experienced, credentialed instructors come from universities, colleges, public and private high schools, and K-12 districts.

WHERE are classes held?

In-person classes for all grade levels will be held on the De Anza College campus.

Online classes will meet via Zoom and the Canvas online platform on the dates and times published.

How can students **ENROLL** in the program?

Visit deanza.edu/academy to review program details and check class availability.

These four-week classes will be taught in person on the De Anza College campus.

ART AND DESIGN

DRAWING AND PAINTING

Entering Grades 6-8 – Bring original ideas to life, as you develop artistic confidence and build your technical and creative talents! Using a range of media, students will explore drawing and painting from observation and the imagination. They'll learn how to do more detailed renderings, explore techniques including cross-hatching and stippling, and create captivating compositions.



PAINTING, DRAWING AND DESIGN

Entering Grades 6-8 – Explore the secrets to drawing and painting what you see! In a focused studio atmosphere, students will learn and practice important drawing, painting and design techniques, while building observational and creative thinking skills. Lessons will include multipoint perspective and depicting shadow and light sources as well as creating dynamic compositions and content.

STUDIO ART AND SCULPTURE

Entering Grades 6-8 – Design and create 2D and 3D artwork, as you expand your observational, analytical and creative thinking skills! From drawing and painting to sculpture and clay, students will explore a variety of media and techniques. They'll view works by notable artists around the world and develop their own style. By the end of the session, they'll have several original works of art and the knowledge and skills to create more on their own.



These four-week classes will be taught in person on the De Anza College campus.

MATHEMATICS

**Meets Common Core Standards*

The Math Preparation series is designed to introduce key Common Core math concepts from the upcoming year while reinforcing the prior year's most essential carryover skills. Students in seventh and eighth grade also have the option to register for high school math classes if they have already completed coursework preparing them for more advanced mathematics.

MATH PREPARATION: GRADE 6*

Entering Grade 6 – Students in this course will apply their knowledge of multiplication and division to solve ratio and rate problems. They will extend their knowledge of fractions and learn to explain, in their own words, how dividing and multiplying fractions follows logical mathematical processes. Students will also learn problem-solving strategies and deepen their understanding of rational numbers, absolute value, expressions and equations.



COMPUTER PROGRAMMING

PYTHON PROGRAMMING: BEGINNING [2 HOURS]

Entering Grades 6-8 – This course introduces students to basic elements of the Python programming language, including data types, control structures, algorithm development and program design with functions. Students will be defining new object classes, creating interactive applications with buttons, learning about animation and creating an interactive game using Python. The instructor will also cover fundamental principles of object-oriented programming, as well as data and information processing techniques.



These four-week classes will be taught in person on the De Anza College campus.

MATH PREPARATION: GRADE 7*

Entering Grade 7 – Students in this course will extend their knowledge of ratios and apply proportionality concepts in solving single- and multi-step problems, expressions and equations. Students will learn problem-solving strategies as they deepen their understanding of two- and three-dimensional figures, while making connections to scale drawings.

MATH PREPARATION: GRADE 8*

Entering Grade 8 – Students will extend their knowledge of expressions and equations, including modeling an association in bivariate data with a linear equation, and solving both linear equations and systems of linear equations. Students will also learn about functions and using functions to describe quantitative relationships. In addition, the class will explore problem-solving strategies as students deepen their understanding of two- and three-dimensional space and figures, while using distance, angle, similarity and congruence. The course also covers understanding and applying the Pythagorean theorem.



**Meets Common Core standards*

MODERN LANGUAGES

SPANISH: BEGINNING LEVEL

Entering Grades 6-8 – Students will learn basic vocabulary and grammar, including practical phrases, in a setting that integrates listening, speaking and reading skills. The class will also explore the culture and customs of Spanish-speaking countries.



SCIENCE

***Meets Next Generation Science standards*

ASTRONOMY LAB**

Entering Grades 6-8 – The class will focus on what astronomers know about the sun, moon, solar system, stars and galaxies, while examining the clever ways they glean this information from visible and invisible light. Students will learn to use internet simulators, study telescopes and spectrometers, explore parallax and other techniques, practice using a star chart, and examine strange stars and planets circling other suns. This course is offered in partnership with the De Anza College Planetarium and takes place in the Planetarium.

CHEMISTRY FUNDAMENTALS**

Entering Grades 6-8 – This course is designed to preview some of the main topics addressed in basic chemistry, including dimensional analysis, the periodic table, stoichiometry and gas laws. Students will be challenged to solve problems and answer complex questions through pairs and group work. This is not a lab class, but students will complete activities and projects such as building their own periodic table and creating molecule models to promote understanding and retention.

PHYSICS LAB**

Entering Grades 6-8 – Students will learn key physics principles by following kit assembly instructions to build their own projects, and by working in teams to modify projects and compete in design challenges. The class will explore the interaction of forces, motion and energy by building bridges, speakers, windmills and solar circuits using simple, everyday materials.

These four-week classes will be taught in person on the De Anza College campus.



SPEECH AND DEBATE

DEBATE AND CRITICAL THINKING

Entering Grades 6-8 – This course will challenge students to present ideas in a clear, logical and engaging style. Students will refine their public-speaking skills and become familiar with two high school debate formats: Lincoln-Douglas and Public Forum. Students will debate current events, hold an in-class tournament and learn how to be great speakers and debaters.

PUBLIC SPEAKING

Entering Grades 6-8 – Students will learn the skills and techniques required for effective public speaking, including communication skills, eye contact, voice projection, body contact and listening, as well as self-evaluation techniques. Students will practice presenting various types of speeches in front of an audience. Development of self-confidence and poise will be an integral part of this class.

These four-week classes will be taught in person on the De Anza College campus.

WRITING

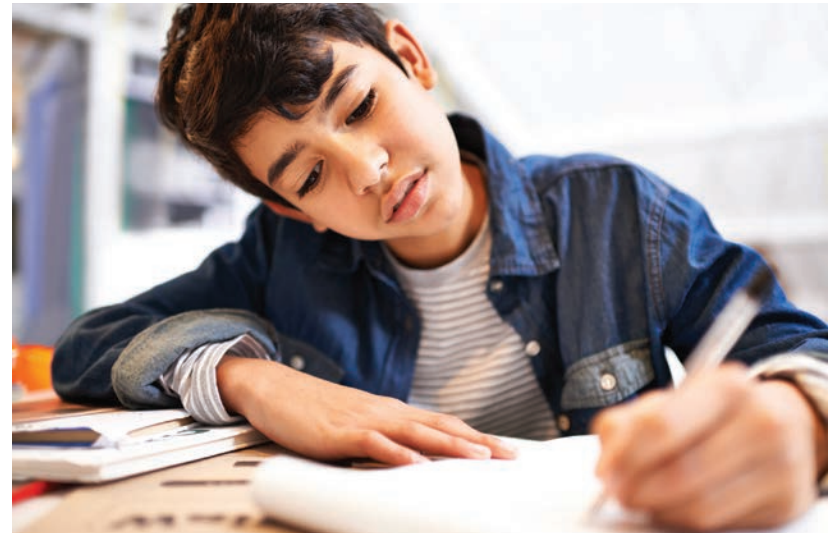
**Meets Common Core standards*

GRAMMAR, VOCABULARY AND WRITING STRUCTURES: GRADE 6*

Entering Grade 6 – This course offers students the opportunity to improve their writing skills and expand their academic vocabulary. They will carry out writing assignments based on readings from a variety of informational texts that are appropriate to sixth grade. Students will learn to write a variety of sentence types and incorporate them into expository paragraphs and short essays. The class will also include focused grammar study. Students will leave the course with a portfolio of their work.

GRAMMAR, VOCABULARY AND WRITING STRUCTURES: GRADE 7*

Entering Grade 7 – This course offers students the opportunity to improve their writing skills and expand their academic vocabulary. They will carry out writing assignments based on readings from a variety of texts that are appropriate to seventh grade. Students will learn to write different sentence types and incorporate them into expository paragraphs and short essays. The class will also include focused grammar study. Students will leave the course with a portfolio of their work.



GRAMMAR, VOCABULARY AND WRITING STRUCTURES: GRADE 8*

Entering Grade 8 – This course offers students the opportunity to improve their writing skills and expand their academic vocabulary. They will carry out writing assignments based on readings from a variety of texts appropriate to eighth grade. Students will learn to write different sentence types and incorporate them into expository paragraphs and short essays. The class will also include focused grammar study. Students will leave the course with a portfolio of their work.



Summer Art Camps for Ages 4-9 Hosted by the Euphrat Museum of Art!



These art camps offer a **fun, creative** outlet for **kids under 10**. They're a great way for your child to learn **new skills**, explore **different art forms** and make **new friends!**

All camps are held at the **Quinlan Community Center Crafts Room**,
10185 N. Stelling Road, Cupertino 95014

First Steps Art Camp – Ages 4-6

This camp will enhance your child's creative thinking, problem solving, imagination and self-expression through a series of fun, age-appropriate, and hands-on art projects. Students will begin with drawing and painting and then move into clay and sculpture.

- **July 15-19: 9 a.m.-noon** (\$300)

Summer Art Camp – Ages 6-9 (two sessions available)

Your summer art camper will explore different art forms and gain confidence in their own creative abilities! Representational drawing, painting and sculpture lessons will be presented with a focus on learning to see, analyze and interpret.

- **July 8-12: 9 a.m.-noon** (\$300)
- **July 22-26: 9 a.m.-noon** (\$300)

Art in the Park Camp – Ages 6-9

Your child will have fun in the park and in the art room, drawing subjects from nature and outdoor scenes to animals and superheroes. Students will improve fundamental skills and learn more about drawing from life and the imagination.

- **July 29-Aug. 2: 9 a.m.-noon** (\$300)

Beginning Drawing – Ages 6-9

Launch your child's technical and creative-thinking skills in this fun class! A variety of drawing tricks and techniques will be introduced as students explore different media. Projects will draw from still life, reference materials and the imagination.

- **Every Thursday, June 6-Aug. 8: 4:30-5:30 p.m.** (\$225)

First Steps in Drawing and Painting – Ages 6-9

This activity is for young children as they're just beginning to learn the art of drawing, painting and composition. Through a sequential series of projects, students will learn many foundational techniques and art concepts.

- **Every Wednesday, June 5-Aug. 7: 4:30-5:30 p.m.** (\$250)

Register Now at reg4rec.org

DE ANZA COLLEGE CAMPUS

DE ANZA COLLEGE CAMPUS

CLASS SCHEDULE – ENTERING GRADES 6-8	SESSION 1 8:30-9:30 a.m.	SESSION 2 9:35-10:35 a.m.	Break 10:35-10:45 a.m.		SESSION 3 10:50-11:50 a.m.	SESSION 4 11:55 a.m.-12:55 p.m.	Lunch Break 12:55-1:25 p.m.	SESSION 5 1:30-2:30 p.m.	SESSION 6 2:35-3:35 p.m.	FEE
ART AND DESIGN										
Grades 6-8: Drawing and Painting		8400			8401	8402				\$725
Grades 6-8: Painting, Drawing and Design					8403	8404		8405		\$725
Grades 6-8: Studio Art and Sculpture					8406	8407		8408		\$725
COMPUTER PROGRAMMING										
Grades 6-8: Python Programming: Beginning Level [2 hours]		8409				8410				\$1,395
MATHEMATICS										
Grade 6: Math Preparation	8411	8412			8413					\$725
Grade 7: Math Preparation	8414	8415			8416					\$725
Grade 8: Math Preparation	8417	8418			8419					\$725
MODERN LANGUAGES										
Grades 6-8: Spanish: Beginning Level					8420	8421				\$725
SCIENCE										
Grades 6-8: Chemistry Fundamentals	8422	8423								\$725
Grades 6-8: Astronomy Lab		8424								\$725
Grades 6-8: Physics Lab						8425		8426		\$725
SPEECH AND DEBATE										
Grades 6-8: Public Speaking	8427	8428			8429					\$725
Grades 6-8: Debate and Critical Thinking								8430	8431	\$725
WRITING										
Grade 6: Grammar, Vocabulary, Reading and Writing		8432			8433	8434				\$725
Grade 7: Grammar, Vocabulary and Writing Structures		8435			8436	8437				\$725
Grade 8: Grammar, Vocabulary and Writing Structures		8438			8439	8440				\$725



De Anza College Planetarium

EXPLORE THE STARS – CHECK OUT OUR FIELD TRIPS AND SHOWS!

.....
Online and in-person field trips for K-8 classes,
school groups and camps

- Students can enjoy an experience that's educational, interactive – and FUN!
 - Reserve a time for your class or group: deanza.edu/planetarium/fieldtrips
-

Saturday shows are open to the public – fun and informative for kids and adults!

Saturday, March 2

2 p.m. – This is Our Sky!
3:30 p.m. – Magic Tree House
5 p.m. – The Sky Tonight
7 p.m. – Laser Taylor Swift
8 p.m. – Laser Taylor Swift

Saturday, March 9

2 p.m. – Big Bird's Adventure: One World, One Sky
3:30 p.m. – Magic Tree House
5 p.m. – Extreme Planets
7 p.m. – Laser Lady Gaga
8 p.m. – Laser Pink Floyd: Dark Side of the Moon

Saturday, March 16

2 p.m. – Magic Tree House
3:30 p.m. – The Moon
5 p.m. – Black Hole: The Other Side of Infinity
7 p.m. – That 80's Laser Show
8 p.m. – Laser Prince

Saturday, March 23

2 p.m. – The Secret of the Cardboard Rocket
3:30 p.m. – Magic Tree House
5 p.m. – Wayfinders: Waves, Winds and Stars
7 p.m. – Laser Taylor Swift
8 p.m. – Laser David Bowie

Saturday, March 30: Closed

Saturday, April 6: Solar Eclipse Weekend – No Laser Shows

2 p.m. – Magic Tree House
3:30 p.m. – Earth, Moon and Sun
5 p.m. – Totality
7 p.m. – The Sun, Our Living Star
8 p.m. – The Sky Tonight

Saturday, April 13

2 p.m. – Magic Tree House
3:30 p.m. – The Moon
5 p.m. – Cosmic Journey: A Solar System Adventure
7 p.m. – That 90's Laser Show
8 p.m. – Laser Sgt. Pepper's Lonely Hearts Club Band

Saturday, April 20

2 p.m. – The Secret of the Cardboard Rocket
3:30 p.m. – Magic Tree House
5 p.m. – Black Hole: The Other Side of Infinity
7 p.m. – Laser Pink Floyd: Dark Side of the Moon
8 p.m. – Laser Zeppelin: Lazed and Confused

Saturday, April 27

2 p.m. – Magic Tree House
3:30 p.m. – The Little Star that Could
5 p.m. – Mexica Archeoastronomy: Between Space and Time
7 p.m. – Laser David Bowie
8 p.m. – Laser Lady Gaga

Saturday, May 4

2 p.m. – Magic Tree House
3:30 p.m. – Earth, Moon and Sun
5 p.m. – The Sky Tonight
7 p.m. – Laser Daft Punk
8 p.m. – Laser Elton John [New show!]

Saturday, May 11

2 p.m. – Big Bird's Adventure: One World, One Sky
3:30 p.m. – Magic Tree House
5 p.m. – Wayfinders: Waves, Winds and Stars
7 p.m. – Laser Taylor Swift
8 p.m. – Laser Pink Floyd: Dark Side of the Moon

Purchase tickets at deanza.edu/planetarium



These four-week classes will be taught in person on the De Anza College campus.

ART AND DESIGN

CLAY AND PRINTMAKING

Entering Grades 9-12 – Work with ceramic clay and glazes, and learn how to do block and silkscreen printing, in this multi-media class! Students will learn and practice contemporary and traditional ceramic sculpture and printmaking techniques, examine works by notable artists, and build their visual vocabulary. Creative expression, cultural awareness, problem solving and critical thinking will be emphasized and encouraged.

PAINTING AND DRAWING STUDIO

Entering Grades 9-12 – Develop a portfolio-quality piece to enter in an art competition or exhibit! Activities will include learning and practicing linear and atmospheric perspective, foreshortening, and exploring color properties and harmonies. Students will work on taking their drawing, painting and creative thinking skills to the next level. They'll also create content and narratives and develop their own artist statements.



ATHLETICS

VOLLEYBALL SKILLS AND DRILLS

Entering Grades 9-12 – Students will improve their volleyball skills and develop an appreciation of this amazing team sport. Through instruction, positive modeling and development of skills, students will gain valuable knowledge and take their game to the next level. This course will be taught by the De Anza College volleyball coaching staff and players.



Art and Design courses are offered in partnership with the Euphrat Museum of Art

deanza.edu/euphrat

These four-week classes will be taught in person on the De Anza College campus.

COMPUTER PROGRAMMING

3D PRINTING & RAPID PROTOTYPING [2 hours]

Entering Grades 10-12 – This course is all about design process and hands-on prototyping with 3D printers in a professional manufacturing space. Participants will learn the fundamentals of additive manufacturing or 3D printing of polymers, metals and composites, with a focus on industry applications and related design principles. Class sessions will include live demonstrations with state-of-the-art, industry-grade 3D printers, 3D laser scanners and reverse engineering tools. Students will learn how to design, fabricate and measure test parts, and explore additive manufacturing process limits as well as appropriate applications of these technologies. This course is offered in partnership with the De Anza College Design and Manufacturing Technologies Department.



PYTHON PROGRAMMING: BEGINNING LEVEL [2 hours]

Entering Grades 9-12 – This course introduces students to basic elements of the Python programming language, including data types, control structures, algorithm development and program design with functions. Students will learn to define new object classes, develop interactive applications with buttons, explore animation and create an interactive game using Python. The instructor will also cover fundamental principles of object-oriented programming, as well as data and information processing techniques.

MATHEMATICS

**Meets Common Core standards*

INTRODUCTION TO HIGH SCHOOL ALGEBRA 1*

Entering Grades 9-10 – This class will introduce students to major themes and concepts in first-year algebra. Students will engage in hands-on applications and problem-solving exercises designed to promote conceptual understanding and enhance logical thinking skills. Topics covered will include properties in algebra, polynomials, solving and applying equations, factoring, the quadratic formula, solving and graphing linear and variable equations, radical expressions and other subjects as time permits.

These four-week classes will be taught in person on the De Anza College campus.



INTRODUCTION TO HIGH SCHOOL ALGEBRA 2*

Entering Grades 9-12 – This course emphasizes critical thinking, understanding real-world applications and advanced problem-solving techniques. Students will gain an understanding of functions by using a graphical approach to contextualizing relationships, including linear, quadratic, absolute value, exponential and polynomial rational expressions. Students will learn how to define every relation as a transformation and translation of a parent function.

- **Required materials:** Students should bring a pencil, eraser, small ruler, graph paper and TI-84 (or equivalent) calculator for every class session.

**Meets Common Core standards*

INTRODUCTION TO HIGH SCHOOL CALCULUS CONCEPTS

Entering Grades 9-12 – This course will introduce students to limits, derivatives, differentiation and integration. Students will learn about concepts of calculus so they are better prepared for calculus courses during the academic year. They will improve their understanding of equations, graphs and proofs, including the study of vectors and polar coordinates, advanced inequalities and series. The class will transition from advanced applications of key precalculus concepts to more traditional calculus problems. Students will study and apply a combination of graphical, numerical and symbolic representations as they gain familiarity with each of the key calculus concepts throughout the course.

- **Required materials:** Students should bring a pencil, eraser, small ruler, graph paper and TI-84 (or equivalent) calculator for every class session.

These four-week classes will be taught in person on the De Anza College campus.

INTRODUCTION TO HIGH SCHOOL GEOMETRY*

Entering Grades 9-12 – This course will introduce students to Euclidean geometry and assist them in understanding two- and three-dimensional space. Students will develop important basic geometry skills and explore various proofs through logical deduction. The course will include hands-on explorations of geometric transformations, similar and congruent polygons, area and volume of solids, two- and three-dimensional polygons and polyhedra as well as the Pythagorean theorem.

SCIENCE

ESSENTIAL HIGH SCHOOL CHEMISTRY PRINCIPLES**

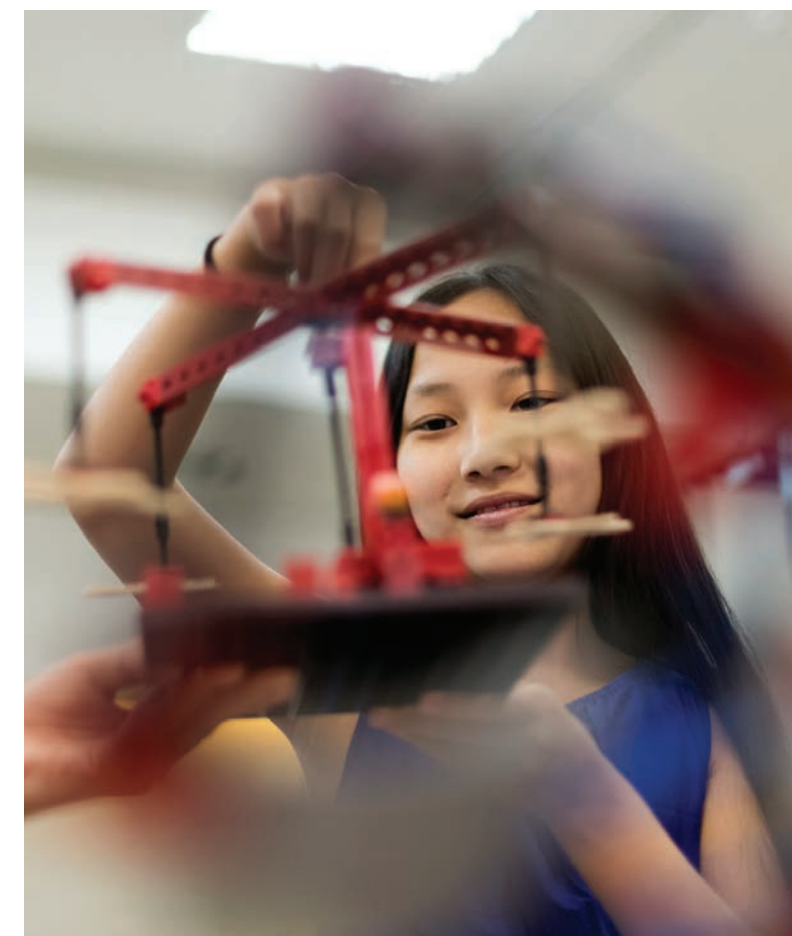
Entering Grades 9-12 – This course is designed to preview some of the main topics in high school chemistry. Students will learn about dimensional analysis, the periodic table, stoichiometry and gas laws. The class will investigate the structures and properties of matter, chemical reactions and the energy and forces that drive these interactions. Students will be expected to use algebra to explain these ideas. Students will be challenged to solve problems and answer complex questions in pairs and group work. This is not a lab class, but students will complete activities and projects such as building their own periodic table and creating molecule models to promote understanding and retention.

**Meets Common Core standards*

***Meets Next Generation Science standards*

ESSENTIAL HIGH SCHOOL PHYSICS PRINCIPLES**

Entering Grades 10-12 – This course will help students prepare for high school physics. The instructor will emphasize conceptual understanding in describing natural phenomena, while introducing the use of mathematical reasoning in the central concepts of physics. The class will cover basic mechanics, including the properties of matter, motion, forces and energy. Students will examine basic physical laws as they apply to everyday physical phenomena. Students will use verbal logic, critical thinking and some mathematics in this course.



These four-week classes will be taught in person on the De Anza College campus.



PLANETARIUM ASTRONOMY

Entering Grades 9-12 – This introductory astronomy course will expose students to the physical principles, logic and development of stellar astronomy from ancient times to the present, with emphasis on recent developments. Students will examine the relationship of earth to its deep-space environment and contrast the sun with other types of stars. The class will also cover earth and sky relationships, explore the solar system and study theories of its origin as well as properties of other stars' planetary systems. This course is held in the De Anza College Planetarium, providing access to state-of-the-art equipment and unique learning tools.

WRITING

**Meets Common Core Standards*

EXPOSITORY READING AND WRITING*

Entering Grades 9-12 – Expository reading and writing skills will help students excel on the reading and writing portions of standardized tests, while also developing lifelong literacy and college readiness. In this course, students will learn to read critically, make predictions about texts, analyze content and rhetorical structures, and properly use materials from texts to support their own written arguments. Readings will be enhanced through expository writing, most often through timed essays. Students will learn to organize ideas and construct persuasive arguments that advance their own ideas with a developed voice.

These four-week classes will be taught in person on the De Anza College campus.

INTRODUCTION TO BASIC HIGH SCHOOL WRITING STRUCTURES*

Entering Grades 9-10 – This course will teach students to engage in writing as a process, with particular attention to diction, argumentation and thoughtful integration of evidence. Students will learn to craft a basic, five-paragraph essay – emphasizing structure, clarity and argument – in response to informational texts and fictional short stories. Students will also learn to recognize and correct grammatical errors involving subject-verb agreement, verb form, verb tense, pronouns, modifiers, fragments, run-ons and basic punctuation. This highly interactive class includes peer review, drafting and workshops.

PERSUASIVE WRITING AND THE FUNDAMENTALS OF ARGUMENT*

Entering Grades 9-12 – This course emphasizes rhetorical study and evidence-based analytics and argumentation in clear and efficient writing. Students will analyze and discuss literary, historical and expository texts, while learning about the creation of a clear and arguable thesis, interesting introductions and conclusions, thoughtful outlining and correct mechanics. Students will also practice writing persuasive essays that employ rhetorical strategies and sound principles of argument. The course is designed to help students develop the depth and scope of their writing, while improving their research skills.

**Meets Common Core standards*

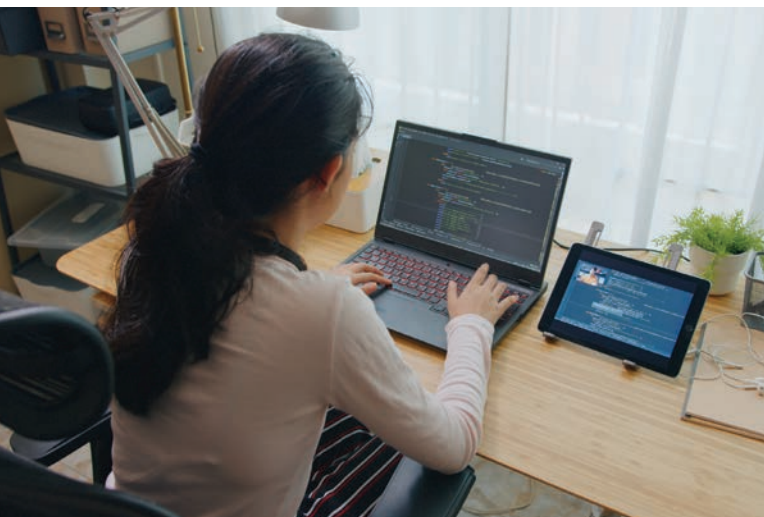


DE ANZA COLLEGE CAMPUS

DE ANZA COLLEGE CAMPUS

CLASS SCHEDULE – ENTERING GRADES 9-12	SESSION 1 8:30-9:30 a.m.	SESSION 2 9:35-10:35 a.m.	Break 10:35-10:45 a.m.		SESSION 3 10:50-11:50 a.m.	SESSION 4 11:55 a.m.-12:55 p.m.	Lunch Break 12:55-1:25 p.m.	SESSION 5 1:30-2:30 p.m.	FEE
ART									
Painting and Drawing Studio		8441			8442	8443			\$825
Printmaking and Sculpture					8444	8445		8446	\$825
ATHLETICS									
Volleyball Skills and Drills					8447				\$825
COMPUTER PROGRAMMING AND ENGINEERING									
Python Programming: Beginning Level [2 hours]		8448				8449			\$1,495
3D Printing and Rapid Prototyping: Grades 10-12 [2 hours]						8450			\$1,495
MATHEMATICS									
Introduction to High School Algebra 1: Grades 9-10					8451				\$825
Introduction to High School Algebra 2						8452		8453	\$825
Introduction to High School Calculus Concepts		8454			8455	8456			\$825
Introduction to High School Geometry	8457	8458							\$825
SCIENCE									
Essential High School Chemistry Principles	8459	8460							\$825
Essential High School Physics Principles: Grades 10-12					8461	8462			\$825
Planetarium Astronomy					8463	8464			\$825
WRITING									
Expository Reading and Writing					8465				\$825
Introduction to Basic High School Writing Structures: Grades 9-10		8466							\$825
Persuasive Writing and the Fundamentals of Argument						8467			\$825

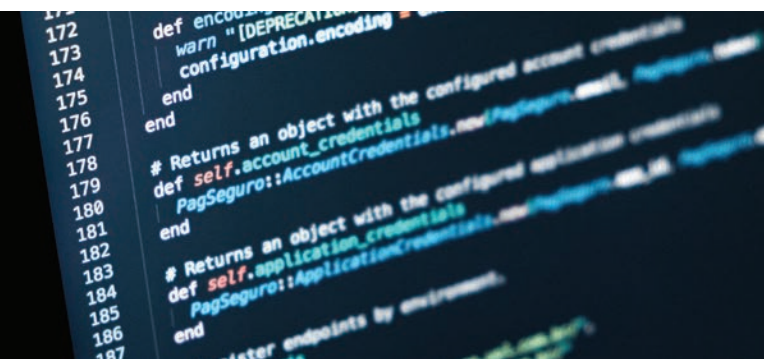
These six-week STEM classes will be taught online.



COMPUTER PROGRAMMING

JAVA PROGRAMMING: BEGINNING LEVEL

Entering Grades 9-12 – This is an introduction to computer programming with the Java language, using object-oriented programming principles. Students will learn about Java primitive and nonprimitive data types, control flow constructs, built-in class libraries, and object-oriented programming concepts such as classes, objects, method overloading and encapsulation. Typical assignments will cover built-in and programmer-defined classes, basic input and output operations, and solving programming problems.



JAVA PROGRAMMING: INTERMEDIATE LEVEL

Entering Grades 9-12 – This class is for students who have basic Java programming skills and want to start building real-world applications. Java provides a vast set of tools that can be used for games and websites. This class will include object-oriented programming and some of the advanced tools that are commonly used on Java development projects – including inheritance and abstraction, interfaces, nested classes, regular expressions, collections, dates and I/O.



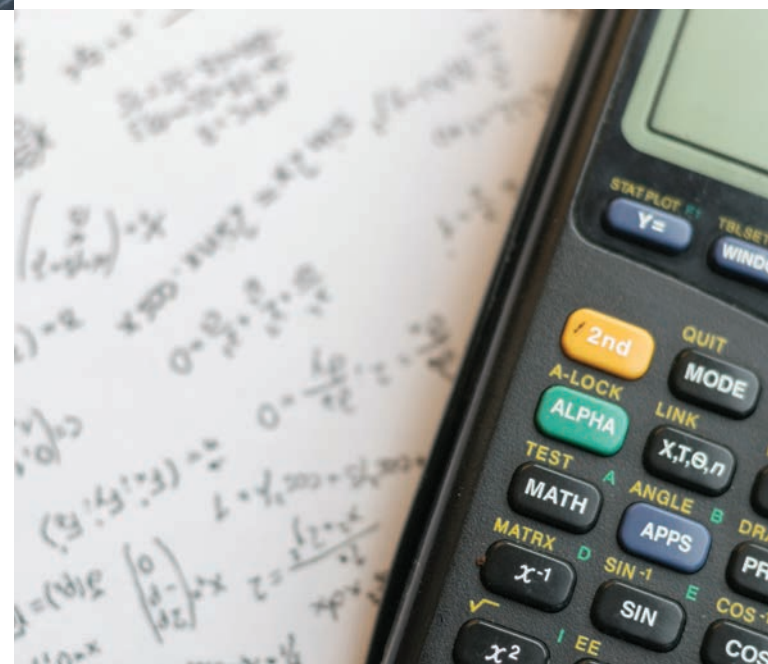
MATHEMATICS

**Meets Common Core standards*

INTRODUCTION TO HIGH SCHOOL ALGEBRA 2*

Entering Grades 9-12 – This course emphasizes critical thinking, understanding real-world applications and advanced problem-solving techniques. Students will gain an understanding of functions by using a graphical approach to contextualizing relationships, including linear, quadratic, absolute value, exponential and polynomial rational expressions. Students will learn how to define every relation as a transformation and translation of a parent function.

- **Required materials:** Students will need a pencil, eraser, small ruler, graph paper and TI-84 (or equivalent) calculator for every class session.



INTRODUCTION TO HIGH SCHOOL CALCULUS CONCEPTS

Entering Grades 9-12 – This course will introduce students to limits, derivatives, differentiation and integration. Students will learn about concepts of calculus so they are better prepared for calculus courses during the academic year. They will improve their understanding of equations, graphs and proofs, including the study of vectors and polar coordinates, advanced inequalities and series. The class will transition from advanced applications of key precalculus concepts to more traditional calculus problems. Students will study and apply a combination of graphical, numerical and symbolic representations as they gain familiarity with each of the key calculus concepts throughout the course.

- **Required materials:** Students will need a pencil, eraser, small ruler, graph paper and TI-84 (or equivalent) calculator for every class session.

These six-week STEM classes will be taught online.



INTRODUCTION TO HIGH SCHOOL TRIGONOMETRY*

Entering Grades 9-12 – Students in this class will learn how to convert to radians, find arc and sector lengths, and study the six preliminary trigonometric functions. Students will use the terminal ray of an angle in standard position, graph the functions and use the unit circle.

- **Required materials:** Students will need a pencil, eraser, small ruler, graph paper and TI-84 (or equivalent) calculator for every class session.

**Meets Common Core standards*

These six-week STEM classes will be taught online.

SCIENCE

ESSENTIAL HIGH SCHOOL CHEMISTRY PRINCIPLES**

Entering Grades 9-12 – This course is designed to preview some of the main topics in high school chemistry. Students will learn about dimensional analysis, the periodic table, stoichiometry and gas laws. The class will investigate the structures and properties of matter, chemical reactions, and the energy and forces that drive these interactions. Students will be expected to use algebra to explain these ideas. Students will be challenged to solve problems and answer complex questions in pairs and group work. This is not a lab class, but students will complete activities and projects such as building their own periodic table and creating molecule models to promote understanding and retention.

ESSENTIAL HIGH SCHOOL PHYSICS PRINCIPLES**

Entering Grades 9-12 – This course will help students prepare for high school physics. The instructor will emphasize conceptual understanding in describing natural phenomena, while introducing the use of mathematical reasoning in the central concepts of physics. The class will cover basic mechanics, including the properties of matter, motion, forces and energy. Students will examine basic physical laws as they apply to everyday physical phenomena. Students will use verbal logic, critical thinking and some mathematics in this course.

****Meets Next Generation Science standards**



June 17-July 26

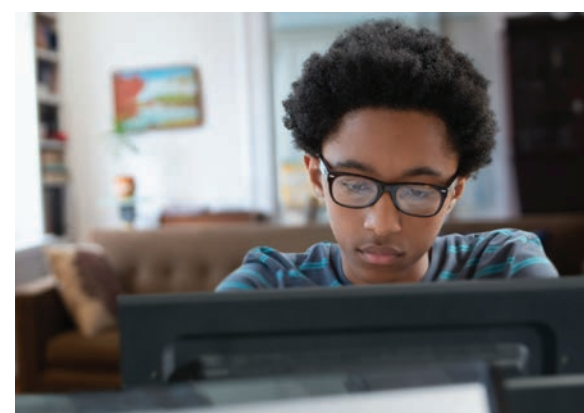
GRADES 9-12

ONLINE CLASS SCHEDULE



ONLINE

CLASS SCHEDULE ENTERING GRADES 9-12	SESSION 1 9-10 a.m.	SESSION 2 10:15-11:15 a.m.	SESSION 3 11:30 a.m.-12:30 p.m.	SESSION 4 1:30-2:30 p.m.	FEE
COMPUTER PROGRAMMING					
JAVA Programming: Beginning Level	8389	8390			\$995
JAVA Programming: Intermediate Level			8391		\$995
MATHEMATICS					
Introduction to High School Algebra 2	8392	8393			\$995
Introduction to High School Calculus Concepts				8394	\$995
Introduction to High School Trigonometry			8395		\$995
SCIENCE					
Essential High School Chemistry Principles	8396	8397			\$995
Essential High School Physics Principles			8398	8399	\$995



De Anza College COMMUNITY EDUCATION

Child Development Center • De Anza College Academy • Euphrat Museum of Art • Planetarium

Programs for community members of all ages!



Child Development Center

Day program for children age 3-5 from De Anza families and the community

De Anza College Academy (Grades 6-12)

Year-round opportunities for learning and fun

Euphrat Museum of Art

Public art shows, classes for elementary and middle-school students

Planetarium

Astronomy shows and field trips

deanza.edu/communityed

Grades 6-12 (on campus): Register Feb. 20-June 27

Grades 9-12 (online): Register Feb. 20-June 13

Visit deanza.edu/academy to review program details and check class availability.

When you are ready to enroll, follow the steps listed online to register.

- To complete the registration process, all students are required to have a parent or guardian complete the online waiver form and the emergency medical release and information form.
- Once payment is successfully processed, you will receive a class confirmation message by email.

When selecting classes for your child

Students should enroll at the grade level they will enter in fall 2024. For example, if your student is completing fifth grade in June 2024, they should register for sixth-grade level classes.

Students in Grades 6-8

If you want your student to remain on campus for more than one class period, they must be enrolled in classes that are held consecutively. For safety reasons, students may not have gaps in their daily schedules. Students should be dropped off no more than 10 minutes before the class is scheduled to begin, and they must be picked up immediately after their last class of the day.

Students in Grades 9-12

Students will be supervised during class time only.

DAILY SCHEDULE

GRADES 6-12: ON-CAMPUS CLASSES

- Session 1: 8:30-9:30 a.m.
- Session 2: 9:35-10:35 a.m.
- Break: 10:35-10:45 a.m.
- Session 3: 10:50-11:50 a.m.
- Session 4: 11:55 a.m.-12:55 p.m.
- Lunch: 12:55-1:25 p.m.
- Session 5: 1:30-2:30 p.m.
- Session 6: 2:35-3:35 p.m.

GRADES 9-12: ONLINE CLASSES

- Session 1: 9-10 a.m.
- Session 2: 10:15-11:15 a.m.
- Session 3: 11:30 a.m.-12:30 p.m.
- Session 4: 1:30-2:30 p.m.

*Online classes will NOT be held on Wednesday, June 19.
All classes will NOT be held on Thursday-Friday, July 4-5.*

HOW TO REGISTER / ADD A NEW CLASS

To complete the registration process, all students MUST have a parent or guardian complete the online waiver form and the emergency medical release and information form.

GRADES 6-8 and 9-12 (On-Campus Classes)

- **Through June 27:** You can add classes with available space online. Registration will be closed for adding classes from June 28-July 1.
- **July 1-3:** Students who are enrolled in the program may add classes, if available, by contacting Academy staff in person at the Community Education office in LC 141.

GRADES 9-12 (Online classes)

- **Through June 13:** You can add classes with available space online. Registration will be closed for adding classes from June 13-17.
- **June 17-18:** Students who are enrolled in the program may add classes, if available, by emailing communityeducation@deanza.edu.

HOW TO CHANGE A CLASS

Class change requests are processed depending on seat availability and must be emailed to communityeducation@deanza.edu by the deadlines listed below. In-person class change requests will be accepted between July 1-3.

GRADES 6-8 and 9-12 (On-Campus Classes)

- **Before June 27:** No fee for course change requests.
- **June 28-30:** Registration will be closed for changing classes until July 1.
- **July 1-3:** You may request a class change by contacting Academy staff in person at the Community Education office in LC 141. A 10% fee per class will be charged for all changes.
- No class changes will be processed after July 3.

GRADES 9-12 (Online classes)

- **Before June 13:** No fee for course change requests.
- **June 14-16:** Registration will be closed for changing classes until June 17.
- **June 17-18:** You may request a class change by emailing communityeducation@deanza.edu. A 10% fee per class will be charged for all course changes.
- No class changes will be processed after June 18.

HOW TO DROP CLASSES FOR A REFUND

To drop a class, use the **cancel** option on the student's account dashboard of the Augusoft online registration system. Refunds are subject to service fees and will be credited back to the original method of payment.

Administrative drops due to disruptive or inappropriate student behavior will result in dismissal from the program without a refund

REFUND DEADLINES AND SERVICE FEES

GRADES 6-8 and 9-12 (On-Campus Classes)

- **Before June 30:** \$50 fee per dropped class
- **After June 30:** No refunds will be issued.*

GRADES 9-12 (Online classes)

- **Before June 16:** \$50 fee per dropped class.
- **After June 16:** No refunds will be issued.*

*In case of extenuating circumstances, requests to drop classes after the final deadlines will be considered for a partial refund, on an individual basis, by the dean of Community Education. Materials fees and lab fees are nonrefundable.

QUESTIONS?

We're happy to help!
communityeducation@deanza.edu

CLASSROOM ASSIGNMENTS

When you register, you will receive a confirmation message that includes your classroom assignment. However, classroom locations may be subject to change. Please check deanza.edu/academy for the most current information.

Classroom locations and a campus map will be posted on the website a week before the start of the program, and at the Academy drop-off zone in Parking Lot C on the first day of classes.

VIRTUAL CLASSROOM INFORMATION

Online classes will be held via the Canvas online learning platform. You can reach Canvas by logging in to your student account in the Augusoft registration system and clicking the "Go to class" link that appears after each class listed in "Current Registrations."

Please send an email to communityeducation@deanza.edu if you need assistance accessing your class or account.

STUDENT CONDUCT, SUPERVISION AND BREAKS

Students must observe all classroom rules, follow online class etiquette and adhere to Foothill-De Anza Community College District Board Policy 3250. Failure to follow these rules or engage in any form of bullying and harassment, whether in person or online, may result in removal from the program without a refund.

Students in classes for grades 6-8 will be supervised during morning and lunch breaks and passing periods. Students in classes for grades 9-12 will be supervised during class times only. For safety and supervision reasons, students must be enrolled in consecutive class periods. There is no supervision for students before or after the program.

Parents staying on campus **MUST** check-in at the Academy administration office and may not wait for their child outside classrooms or sit in class with their child. Parents may not park in drop-off zones.

Visitors may park free for a maximum of 30 minutes – in designated short-term spaces only – or purchase a one-day parking permit from the yellow or gray machines in each student parking lot or structure.

Please send a snack with your student each day for morning break and lunch, as food service may not be available on campus during summer. Students may not leave campus to buy food. Please check deanza.edu/academy for the most current information.

Students may not use mobile phones during class. Phones should always remain in student backpacks until classes have concluded for the day. De Anza College Academy is not responsible for lost or stolen items. Students should secure their belongings.

REVIEW YOUR CLASS CONFIRMATIONS

To ensure your student is in the correct class, please review the confirmation and transaction receipts that are emailed to you at the time of enrollment. You may also log in to the academy's registration system with your chosen username and password at any time to check your current enrollment.

There are no waiting lists for classes that are full.

REPORTING STUDENT ABSENCES

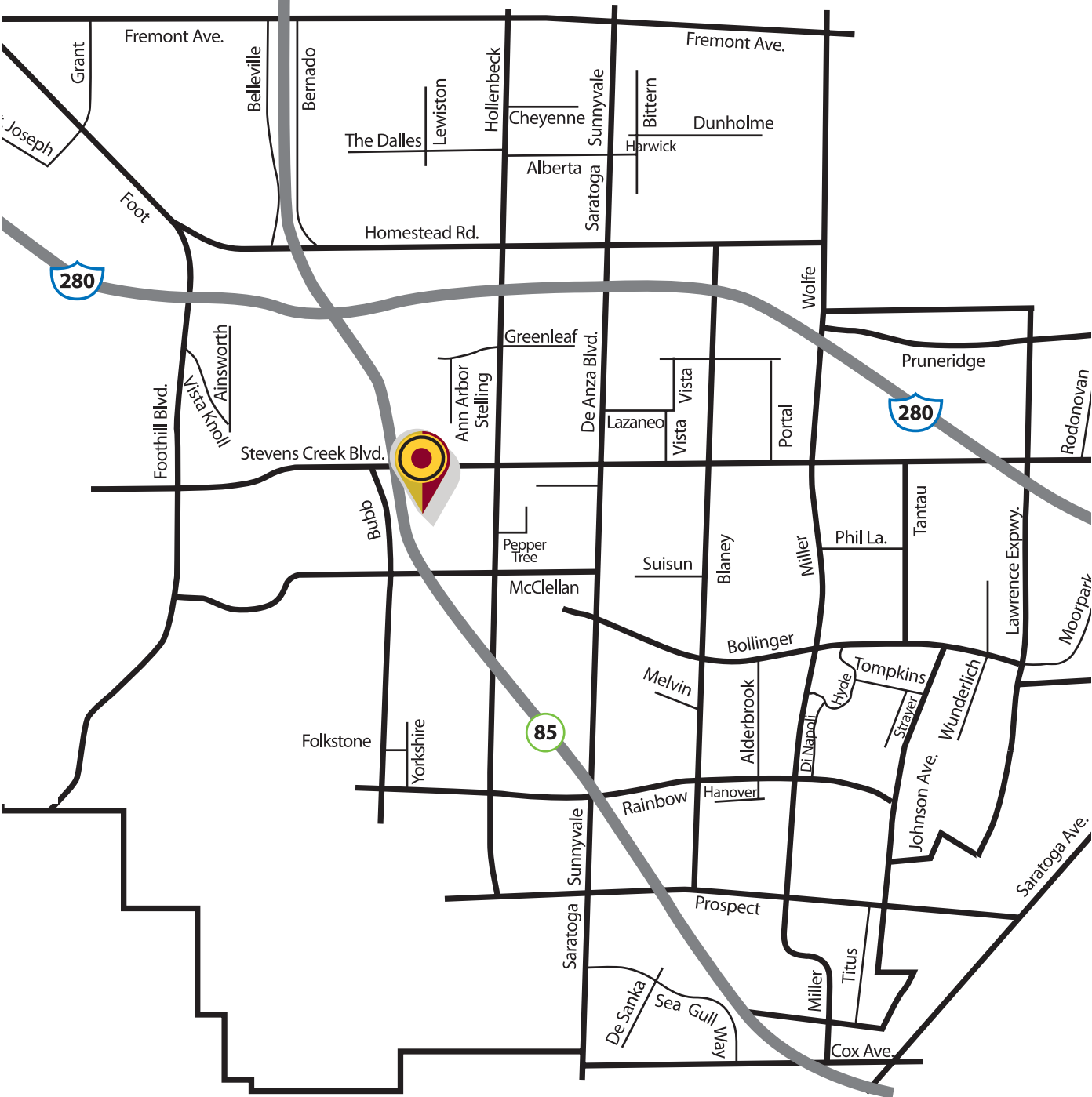
Please send an email to attendance@deanza.edu to notify us if your student is unable to attend their in-person or online class or classes.

Courses, class schedules and locations may be subject to change. We regret any discrepancies or typographical errors. The most current information will be available at deanza.edu/academy.

Thank You to Our Program Partners at De Anza

DE ANZA COLLEGE ATHLETICS





● **De Anza College**
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Cupertino, CA 95014



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DeAnza College **ACADEMY**

SUMMER YOUTH ENRICHMENT PROGRAM FOR GRADES 6-12

Now in our 40th Year!

CLASSES INCLUDE

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Art and Design, Mathematics, Science,
Programming, Writing and more!

Find us on Facebook: [deanzacollegeacademy](https://www.facebook.com/deanzacollegeacademy)



deanza.edu/academy